

COATED PARTICLES, METHODS OF MAKING AND USING

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WO9912640 (A1)
US6482517 (B1)
US2006073333 (A1)
US7105229 (B2)
TR9901008 (T1)

more >>

Abstract not available for JP 2001506541 (T)

Abstract of corresponding document: **WO 9912640 (A1)**

A coated particle is disclosed that comprises an internal core comprising a matrix and an exterior coating. The matrix consists essentially of at least one nanostructured liquid phase, or at least one nanostructured liquid crystalline phase or a combination of the two and the exterior coating comprising a nonlamellar crystalline material. Methods of making and methods of using the coated particle are disclosed.

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(54) 【発明の名称】 被覆粒子とその製造法及び使用法

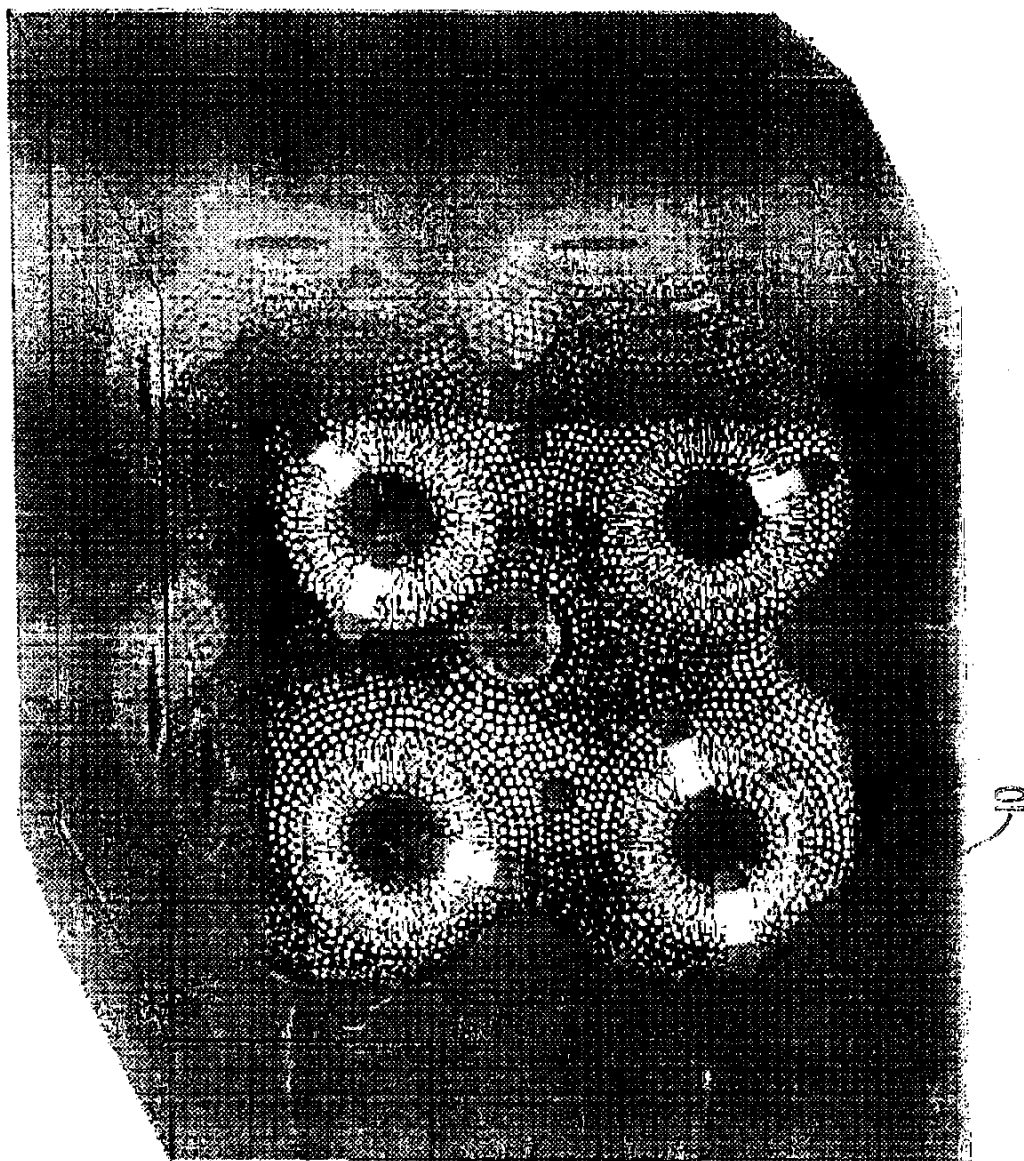
(57) 【要約】

マトリックスからなる内部コアと外部被覆とを備えた被覆粒子を述べている。マトリックスは、本質的に少なくとも一つのnmオーダーの極微細構造の液相、又は少なくとも一つのnmオーダーの極微細構造の液晶相、若しくはこれら両相の組み合わせからなり、外部被覆は非層状結晶物質からなっている。この被覆粒子の製造法と使用法も開示する。

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FIG. 1



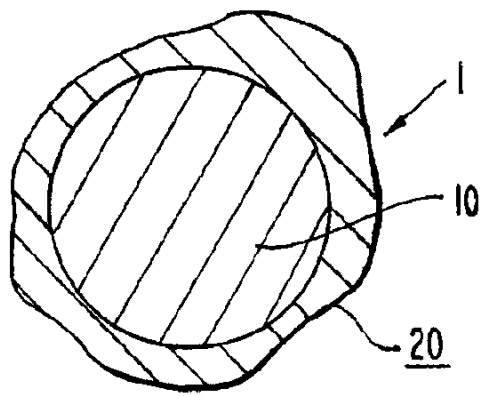


FIG. 2



FIG. 3

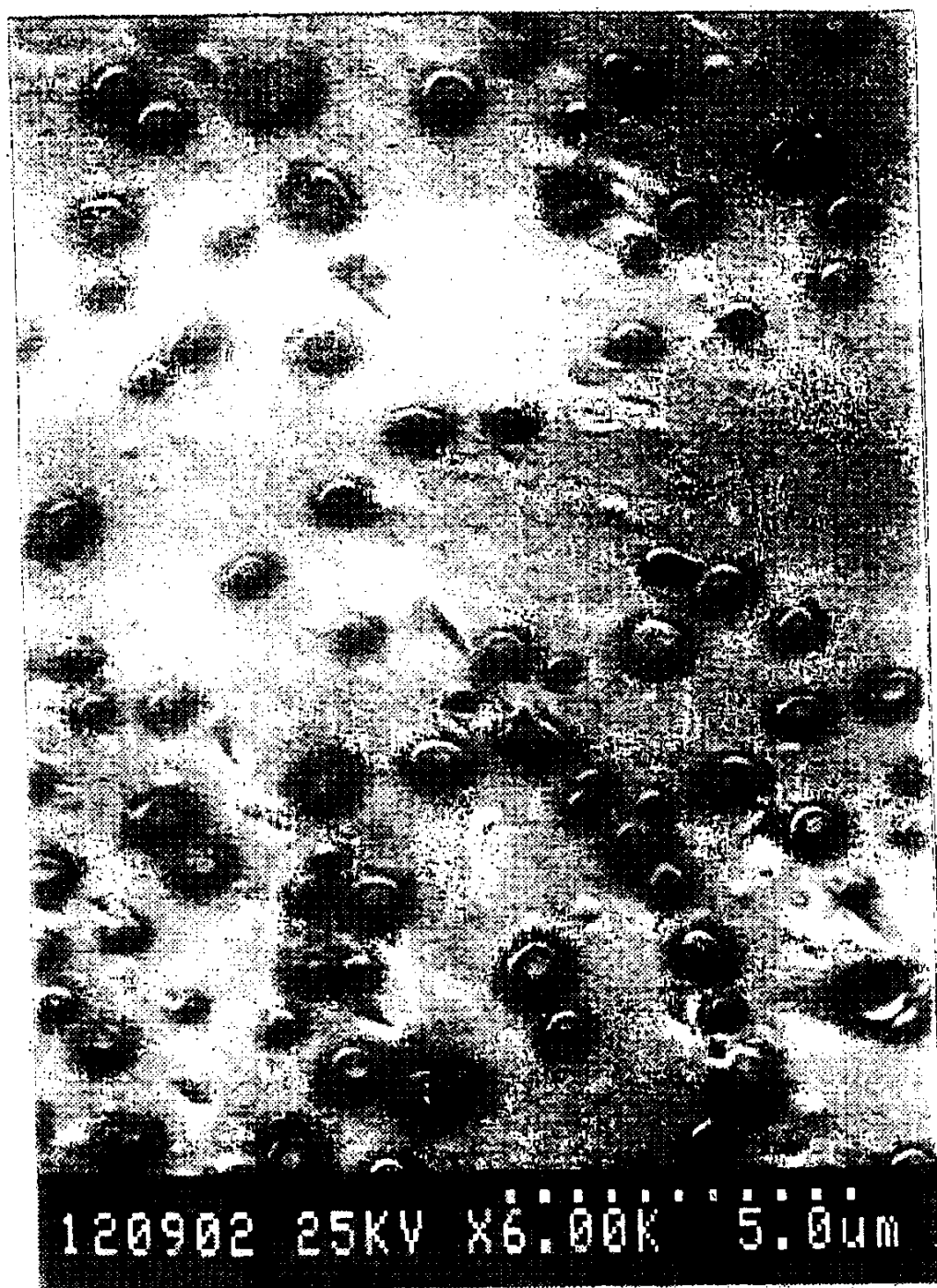


FIG. 4

FIG. 5

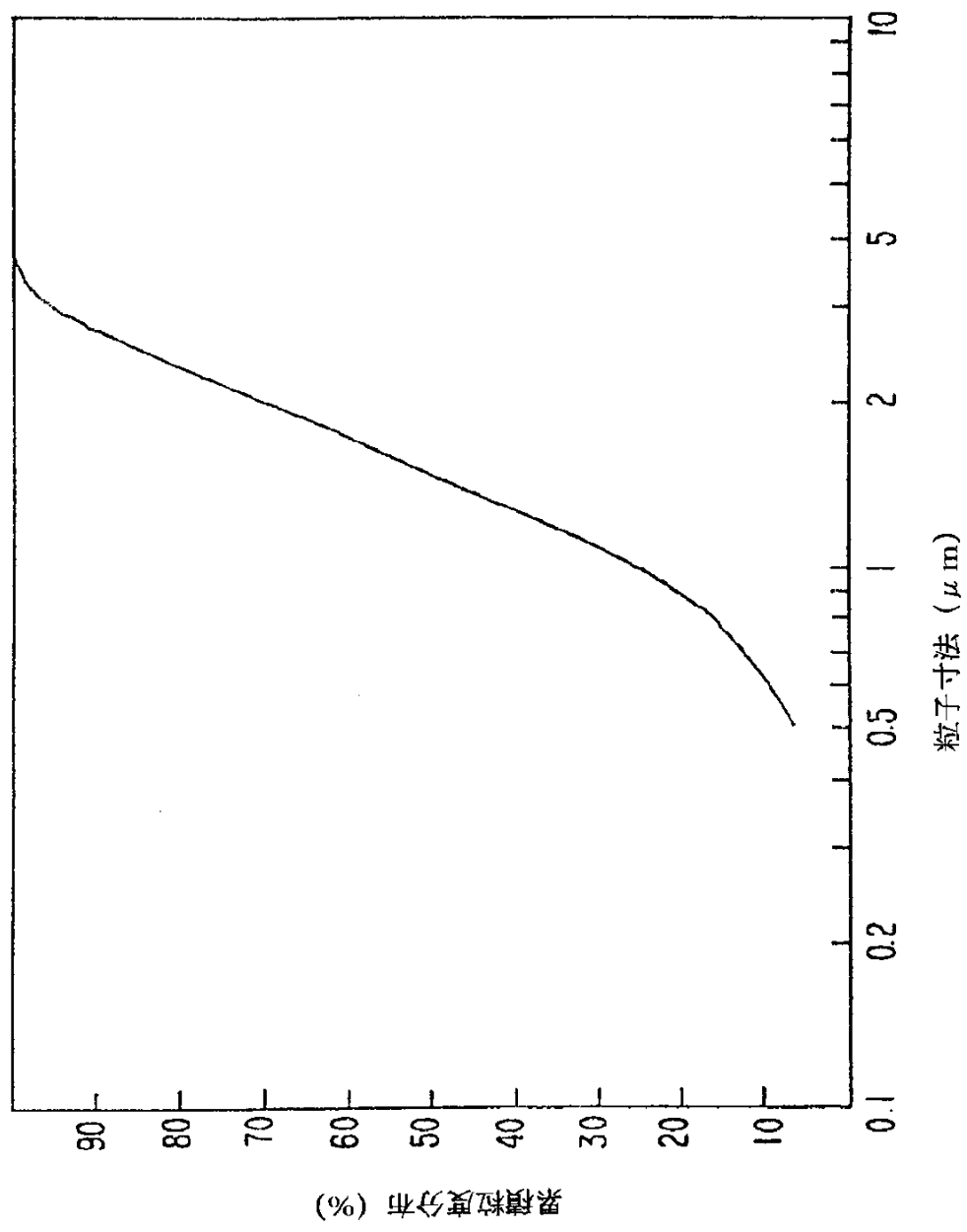
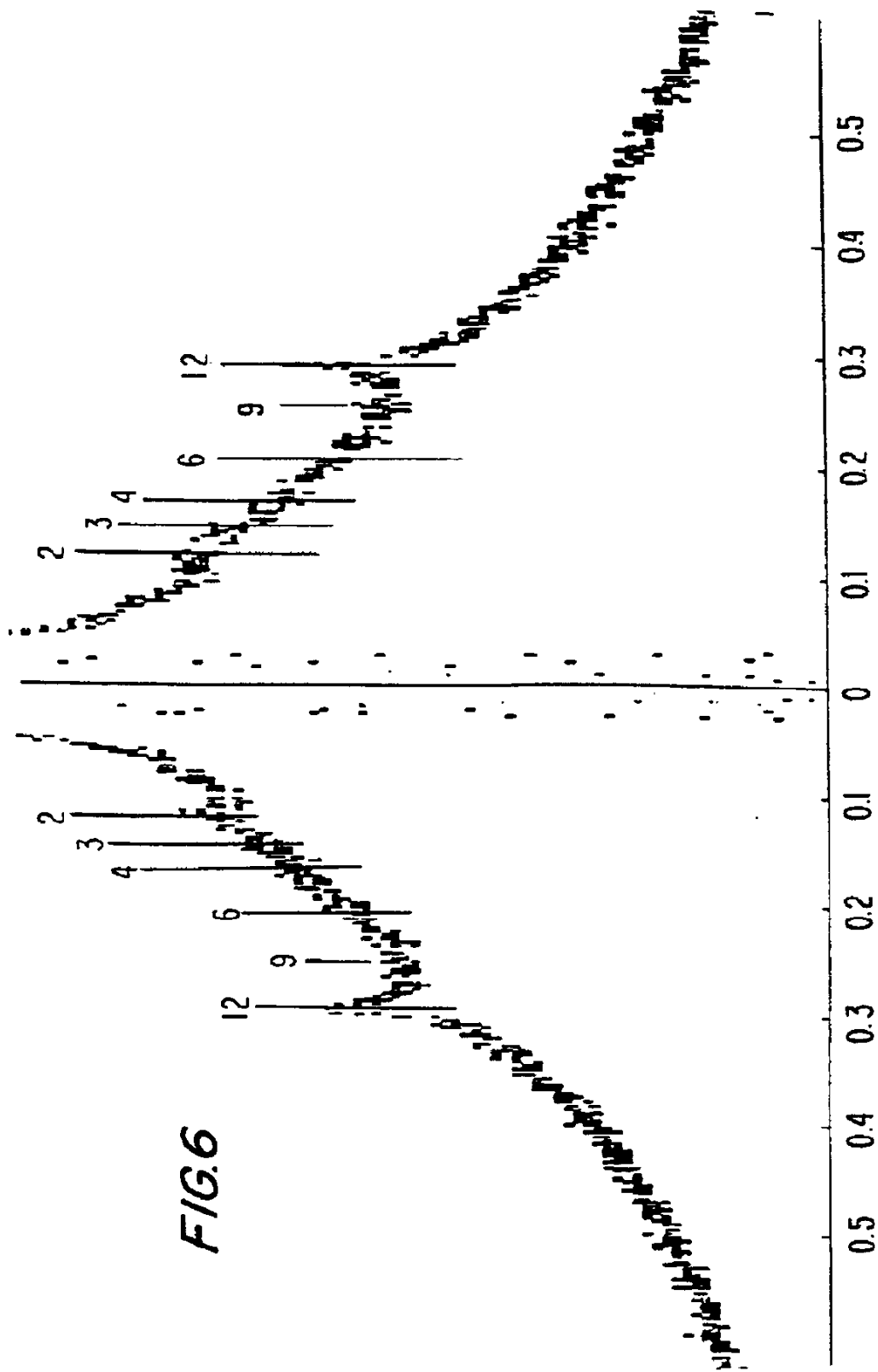


FIG. 6



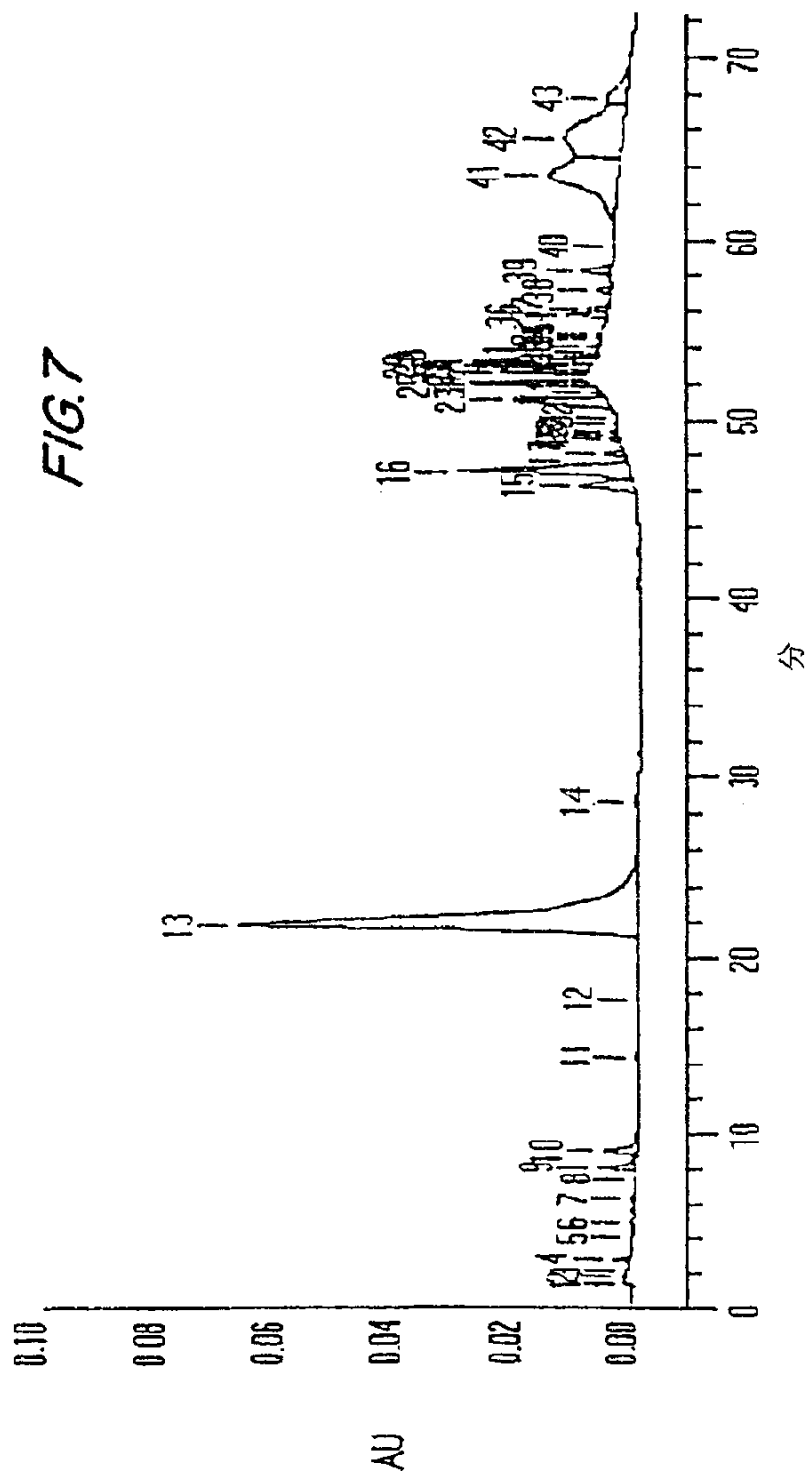
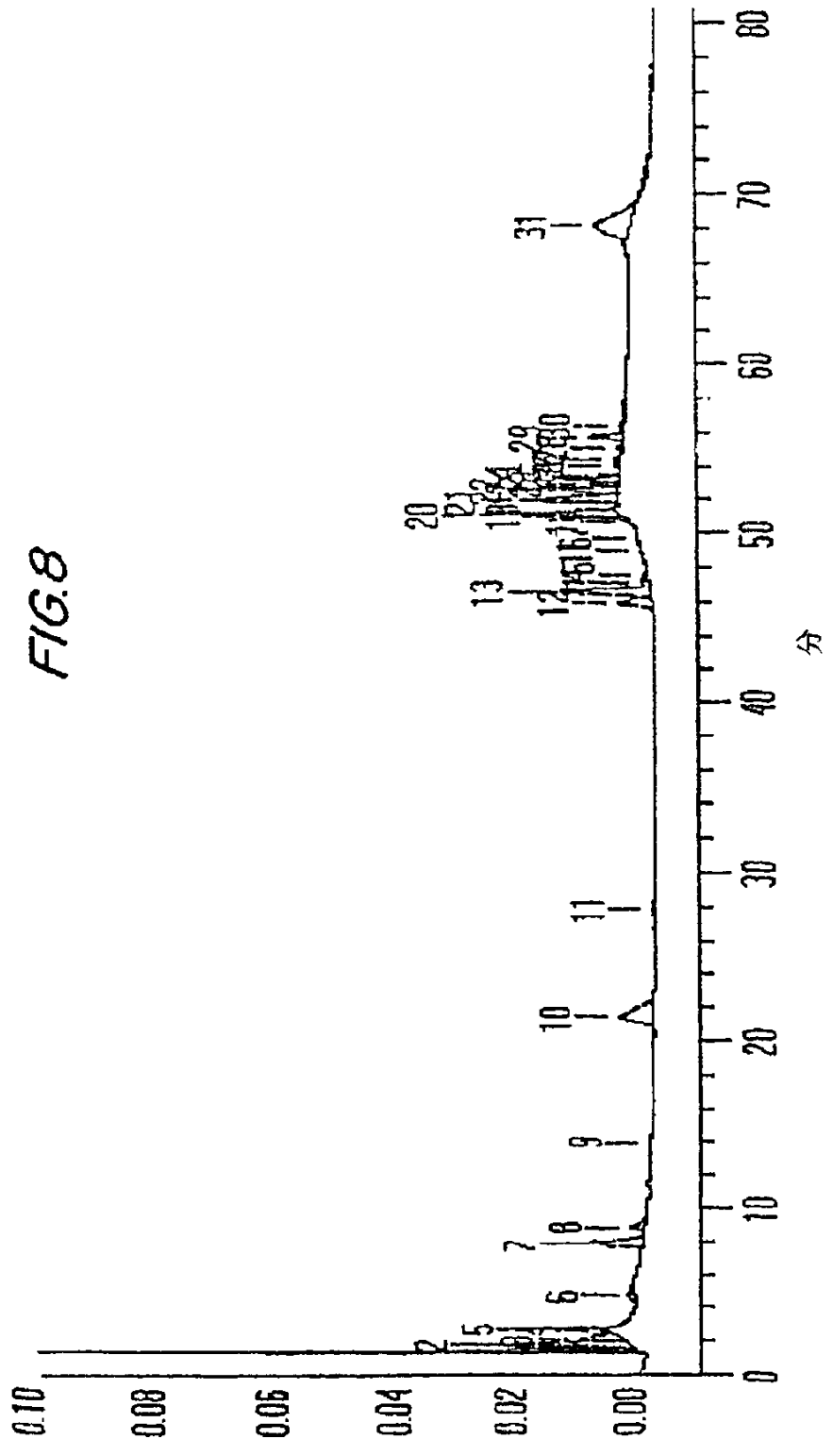


FIG. 8



INTERNATIONAL SEARCH REPORT

International application No.
PCT/US98/18639

A. CLASSIFICATION OF SUBJECT MATTER IPC(6) : Please See Extra Sheet. US CL : Please See Extra Sheet. According to International Patent Classification (IPC) or to both national classification and IPC		
B. FIELDS SEARCHED Minimum documentation searched (classification system followed by classification symbols) U.S. : 264/4.1, 4.3, 4.33, 4.7; 427/2.14, 2.21, 213.3, 213.34, 213.36; 428/ 402.2, 402.21, 402.22, 402.24 Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched NONE Electronic data base consulted during the international search (name of data base and, where practicable, search terms used) NONE		
C. DOCUMENTS CONSIDERED TO BE RELEVANT		
Category*	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claims No.
A	US 4,344,857 A (SHASHA et al) 17 August 1982, see entire document.	1-57
A	US 5,039,559 A (SANG et al) 13 August 1991, see entire document.	1-57
A	US 5,407,609 A (TICE et al) 18 April 1995, see entire document.	1-57
A	US 5,543,158 A (GREF et al) 06 August 1996, see entire document.	1-57
A, P	US 5,679,377 A (BERNSTEIN et al) 21 October 1997, see entire document.	1-57
A, P	US 5,785,976 A (WESTESEN et al) 28 July 1998, see entire document.	1-57
<input type="checkbox"/> Further documents are listed in the continuation of Box C. <input type="checkbox"/> See patent family annex.		
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Date of the actual completion of the international search 07 DECEMBER 1998		Date of mailing of the international search report 13 JAN 1999
Name and mailing address of the ISA/US Commissioner of Patents and Trademarks Box PCT Washington, D.C. 20231 Facsimile No. (703) 305-3230		Authorized officer B. Nutter NATHAN M. NUTTER Telephone No. (703) 305-0661

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